RE: Excel spread sheet for preferred model?

Brattin, Bill to: Kopylev.Leonid   01/20/2011 08:57 AM

From: "Brattin, Bill" <brattin@srcinc.com>

To:

Cc: Benson.Bob@epamail.epa.gov, White.Paul@epamail.epa.gov

Leonid
See attached word document
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Bill Brattin
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From: Kopylev.Leonid@epamail.epa.gov
[Kopylev.Leonid@epamail.epa.gov]
Sent: Thursday, January 20, 2011 10:32 AM
To: Brattin, Bill
Cc: Benson.Bob@epamail.epa.gov; White.Paul@epamail.epa.gov
Subject: RE: Excel spread sheet for preferred model?
Bill,
in your bootstrap simulations, it is clear that parameter a has bi-modal
distribution (with large values of a leading to practically cancellation
of CE in reduced model) and this causes BMD to have corresponding
bimodal distribution with this smaller mode having all ridiculously
small BMDs that give rise to very low 5th percentile. I wonder what in
your replications of the data
creates such an abnormal fit. If you retained replications it may be
beneficial to look at this replications.
On another subject. yesterday's write-up seems to emphasize importance
of latency and inclusion of 1980 data. How this squares with
only 2 cases with 1980 data having very low latencies, beyond what
biologically is considered as a time needed to develop plagues?
Thanks,
Leonid

From: "Brattin, Bill" <brattin@srcinc.com>
To: Paul White/DC/USEPA/US@EPA, Leonid Kopylev/DC/USEPA/US@EPA
Cc: Bob Benson/R8/USEPA/US@EPA
Date: 01/20/2011 09:25 AM
Subject: RE: Excel spread sheet for preferred model?

Paul and Leonid
In the e-mail I sent last night, I did not write out the full equation
for the plateau term.
Here is the full equation:
Plateau = MIN[1, bkg + (1-bkg)*(L/k1)^3]
This function is important because the plateau must be equal to or
greater than bkg, and less than or equal to 1. Otherwise, the resulting
probability may be less than zero or greater than 1.
Remember, we have been treating the bkg term as a fixed constant (0.01),
not a fitting parameter.
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From: White.Paul@epamail.epa.gov [White.Paul@epamail.epa.gov]
Sent: Wednesday, January 19, 2011 4:10 PM
To: Brattin, Bill; Benson.Bob@epamail.epa.gov
Cc: Dawson.Helen@epamail.epa.gov
Subject: Excel spread sheet for preferred model?
Hi Bob,
We appreciated getting the new R8 modeling results through Helen. One
thing my staff wanted to do was implement your preferred model in SAS
for confirmation purposes. Krista Christensen has started to do that,
but has needed some further information.
Would it be possible to get an excel spread sheet for the current
preferred model (showing parameter estimates, ect) such as we had

for
your earlier modeling.

Thanks,

Paul ⬜ - Leonid.doc